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850nm, 2" High Brightness LED Diffuse Axial Illuminator

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Advanced Illumination Diffuse Axial LED Illuminators

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+

A\$1,568^{.00}

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Volume Pricing	
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General	
DL225-050850IC	Model Number:
LED Illuminator	Type of Illumination:
Advanced Illumination	Manufacturer:
Diffuse Axial	Geometry:
	Illumination Mode:

Constant

Physical & Mechanical Properties					
Physical Properties: - Molecular Weight: ~100,000 g/mol - Density: ~1.2 g/cm³ - Glass Transition Temperature (T_g): ~-10°C - Softening Point: ~180°C - Crystallinity: ~5% - Thermal Stability: Stable up to ~250°C in air	Mechanical Properties: - Tensile Strength: ~15 MPa - Elongation at Break: ~500% - Tensile Modulus: ~0.2 GPa - Impact Strength (Izod): ~10 J/m² - Compression Modulus: ~0.1 GPa				

128 L x 60 W x 57 T **Dimensions (mm):**

Weight (g):
351.9

~2" x 2"	Aperture Size:
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Optical Properties	
Refractive Index (n)	1.50
Transmittance (%)	92
Absorbance (at 254 nm)	0.15
Fluorescence Intensity	Low

IR Color:

850 Wavelength (nm):

Working Distance (mm):

Hardware & Interface Connectivity

Flying Leads **Connector:**

Power Supply:
Power Supply Required and Sold Separately.
USA: [#66-855](#)
Europe: [#66-855](#)
Japan: [#89-513](#)
Korea: [#33-773](#)
China: [#66-855](#)

Environmental & Durability Factors

Operating Temperature (°C):	0 to +60
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Regulatory Compliance	
Regulatory Compliance Ensuring adherence to all applicable laws, regulations, and industry standards. Key areas include: - Environmental Protection - Occupational Safety and Health (OSHA) - Consumer Protection - Data Privacy (GDPR, CCPA) - Financial Reporting (SEC, FRC)	Environmental Protection Implementing measures to minimize environmental impact and ensure sustainable operations. Key initiatives include: - Carbon Footprint Reduction - Waste Management - Water Conservation - Renewable Energy Adoption

[View](#) Certificate of Conformance:

Product Details

- Bright, Consistent Diffuse Illumination Over Field of View
- Unique Modular Heat Sink Design
- Internal Beamsplitter Ideal for Inspecting Highly Reflective Objects
- Excellent Light Stability

Advanced Illumination Diffuse Axial LED Illuminators are ideal for inspecting highly reflective optics. These coaxial illuminators provide even illumination over the field coverage. Advanced Illumination Diffuse Axial LED Illuminators feature vibration free performance and easily mount via M6 threaded holes.

Note: Required 24V power supply [#66-855. Accessories for Advanced Illumination products](#) are available and sold separately. Units cannot be intensity controlled.

Technical Information

